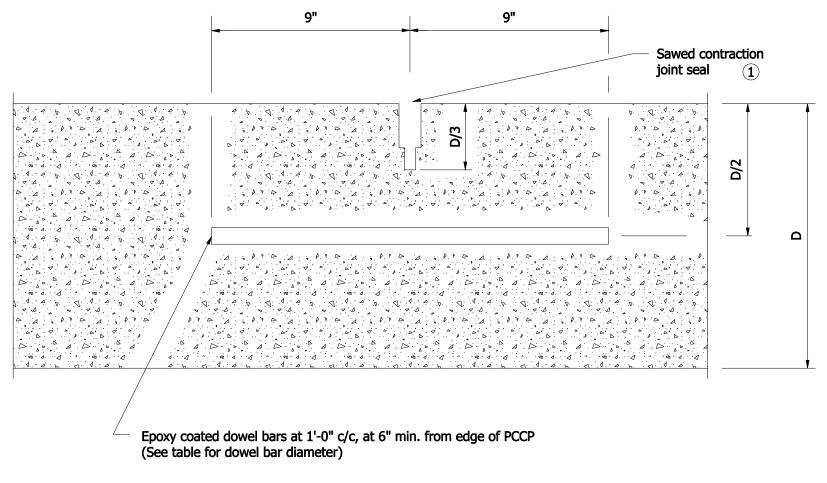
DOWEL BAR SIZES		
Pavement Thickness, D	Dowel Bar Diameter	
Less than 9"	1"	
9" through 12"	1 <mark>1</mark> "	
Greater than 12"	1 1 "	



LONGITUDINAL SECTION THROUGH PCCP

NOTES:

1 For Type D-1 contraction joint sealant options, see Standard Drawing E 503-CCPJ-06.

INDIANA DEPARTMENT OF TRANSPORTATION

TYPE D-1 **CONTRACTION JOINT**

SEPTEMBER 2007

STANDARD DRAWING NO. E 503-CCPJ-01



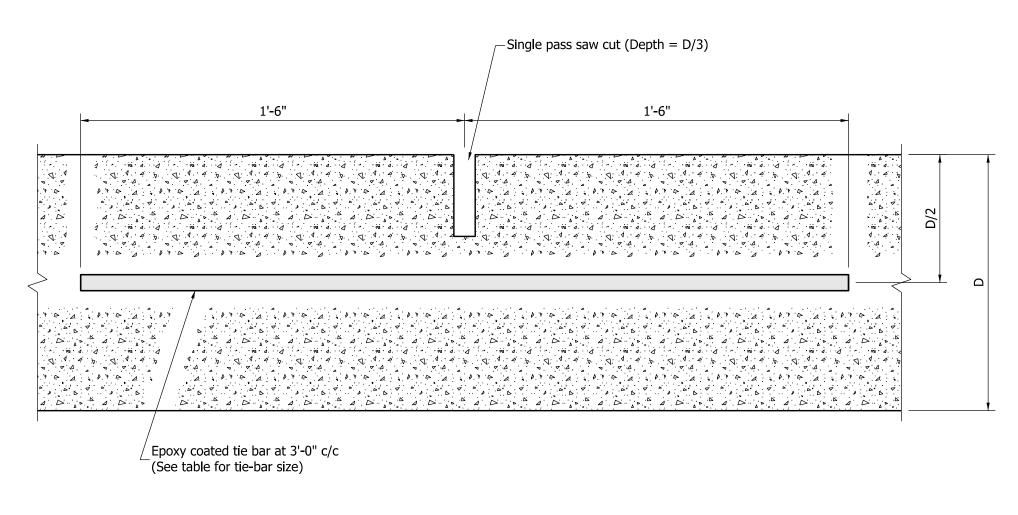
/s/Richard L. VanCleave 9/4/07 DESIGN STANDARDS ENGINEER DATE

DATE

/s/ Mark A. Miller 9/4/07 CHIEF HIGHWAY ENGINEER

DESIGN STANDARDS ENGINEER

TIE-BAR SIZES FOR LONGITUDINAL JOINT		
Pavement Thickness, D	Tie-Bar Size	
Less than or equal to 9"	#5	
Greater than 9"	#6	



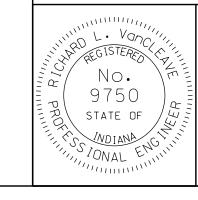
TRANSVERSE SECTION THROUGH PCCP

INDIANA DEPARTMENT OF TRANSPORTATION

LONGITUDINAL JOINT

SEPTEMBER 2012

STANDARD DRAWING NO. E 503-CCPJ-02



/s/Richard L. VanCleave

09/04/12

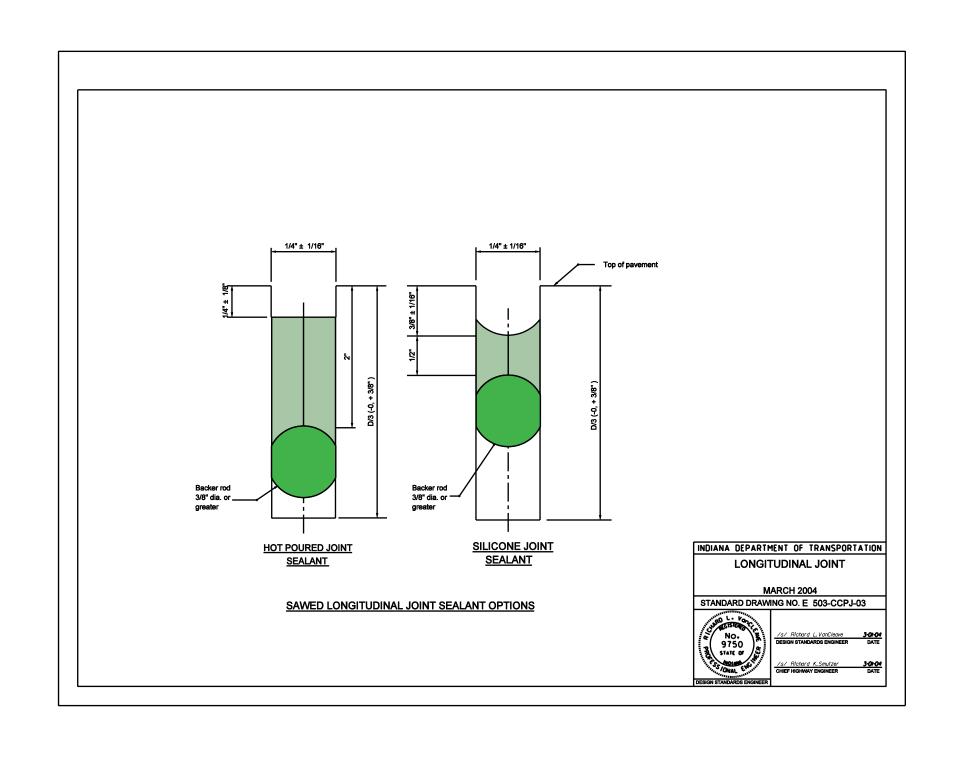
SUPERVISOR, ROADWAY STANDARDS

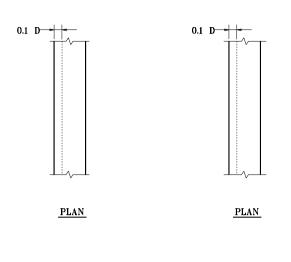
DATE

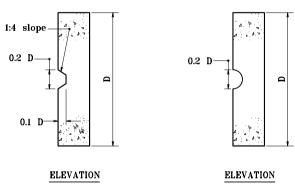
/s/ Mark A. Miller

09/04/12

CHIEF ENGINEER







NOTES

1. See Standard Drawings E 503-CCPJ-01, -02, and -03 for sawed construction joint sealant options.



KEYWAY JOINT

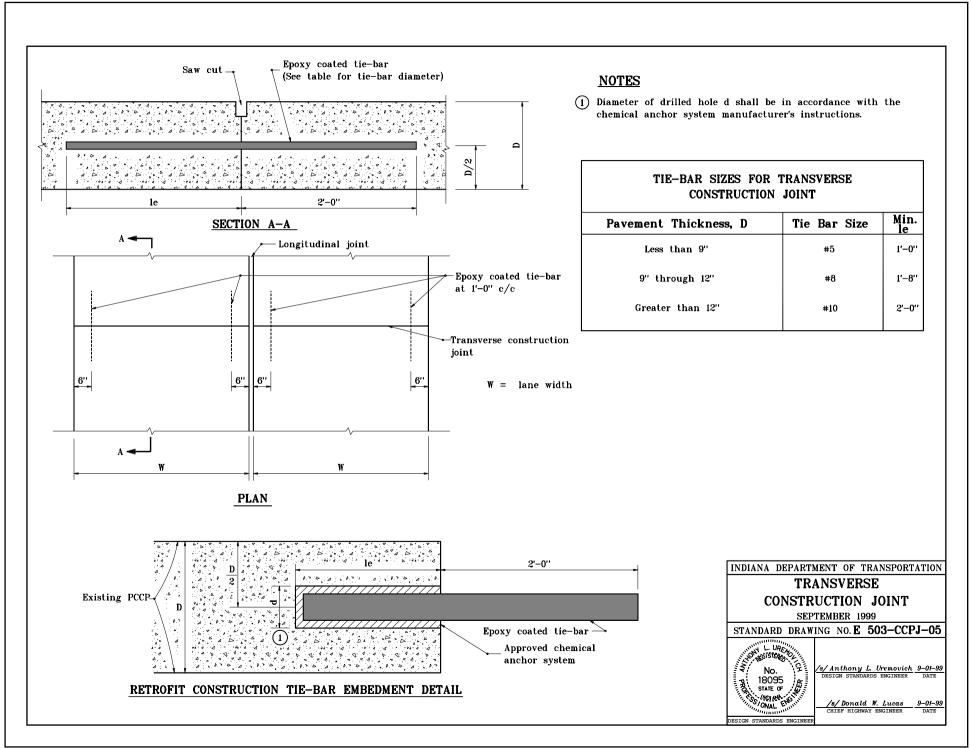
SEPTEMBER 1999 STANDARD DRAWING NO. E 503-CCPJ-04



/s/Anthony L. Uremovich 9-01-99
DESIGN STANDARDS ENGINEER DATE

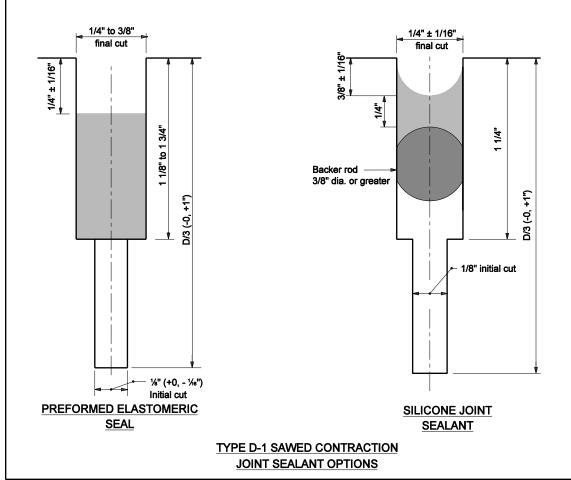
/s/ Donald W. Lucas

DESIGN STANDARDS ENGINEER



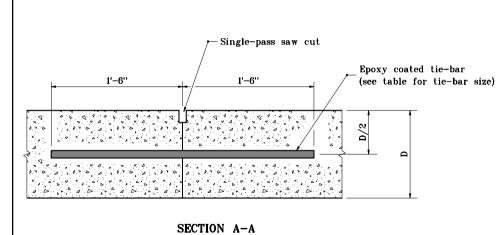
NOTES

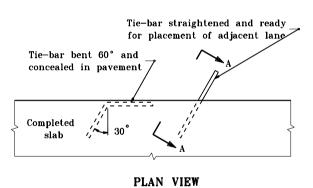
- Transverse joints shall be constructed perpendicular to the centerline with a maximum spacing of 18'-0" unless otherwise specified.
- The configuration of the preformed elastomeric joint seal shall be a 9/16" to 5/8" wide seal with at least a five cell internal design. The seal height shall be 9/16" to 13/16" in uncompressed stage.
- For transverse construction joints, the initial saw cut may be eliminated.





TIE-BAR SIZES FOR LONGITUDINAL CONSTRUCTION JOINT		
Pavement Thickness, D	Tie-Bar Size	Spacing
Less than 9"	#5	3'-0" c/c
9" through 12"	#6	3'-0'' с/с
Greater than 12"	#6	2'-0'' c/c 3'-0'' c/c
	or #7	3'-0" c/c





METHOD OF PLACING TIE-BAR FOR LONGITUDINAL CONSTRUCTION JOINT

INDIANA DEPARTMENT OF TRANSPORTATION

LONGITUDINAL CONSTRUCTION

JOINT

SEPTEMBER 1999

STANDARD DRAWING NO. E 503—CCPJ—07

STANDARD DESIGN STANDARDS ENGINEER DATE

STANDARD STANDARDS ENGINEER DATE

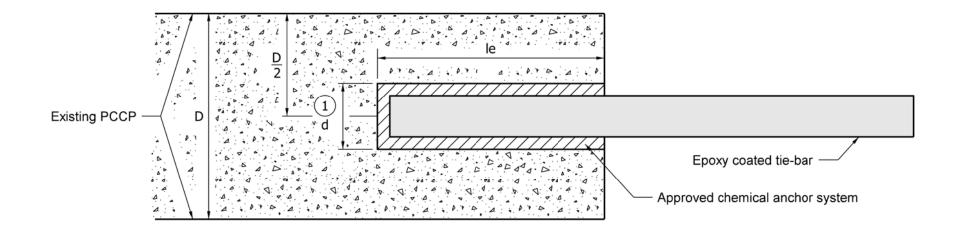
DESIGN STANDARDS ENGINEER

/s/ Donald W. Lucas

CHIEF HIGHWAY ENGINEER

9-01-99

PAVEMENT	LONGITUDINAL CONSTRUCTION JOINT Retrofit Tie-bars at 3'-0" c/c	
THICKNESS, D	TIE-BAR SIZE	MIN. LENGTH OF EMBEDMENT, le
Less than or equal to 9"	#5	1'-0"
Greater than 9"	#6	1'-0"



RETROFIT CONSTRUCTION TIE-BAR EMBEDMENT DETAIL

NOTES:

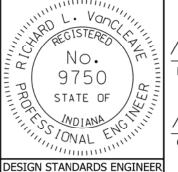
1 Diameter of drilled hole (d) shall be in accordance with the chemical anchor system manufacturer's instructions.

INDIANA DEPARTMENT OF TRANSPORTATION

LONGITUDINAL CONSTRUCTION JOINT

SEPTEMBER 2011

STANDARD DRAWING NO. E 503-CCPJ-08



/s/ Richard L. VanCleave 09/01/11

DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/11

CHIEF HIGHWAY ENGINEER DATE